



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

JAMES I. LIVINGSTONE

Serial No.: 10/644,748

Filed: August 21, 2003

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Art Unit: 3672

Examiner: Giovanna M. Collins

For: REVERSE CIRCULATION DIRECTIONAL AND HORIZONTAL DRILLING
USING CONCENTRIC DRILL STRING

Honorable Commissioner for Patents
and Trademarks
Washington, D.C. 20231

Dear Sir:

RESPONSE

Filed with a Request For a Two Month Extension, this is responsive to the Office Action of June 2, 2004. Reconsideration and allowance of the present application are respectfully requested and are believed to be appropriate in view of the following amendments and remarks:

11/01/2004 BABRAHA1 00000054 022057 10644748

01 FC:2202 189.00 DA
02 FC:2201 748.00 DA

IN THE DISCLOSURE

Please amend page 1 by inserting the following paragraph at line 1:

This application claims the benefit of U.S. Provisional Application No. 60/404,787, filed on August 21, 2002.

Please amend page 13 by inserting the following paragraph after the last paragraph thereon, which commences "Shroud 57 may be placed...":

In Figure 4a, the directional drilling means is rotated by rotary table 57 as is understood in the art. In Figure 4b, the directional drilling means is rotated by top drive 59 as is understood in the art.